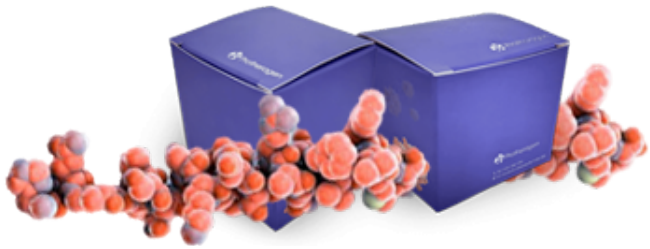
Protheragen Obesity



Human cathepsin S (CTSS) ELISA kit (3.12-100 ng/mL)

Cat. No.:	OB0625WXX-530
Assay Type:	Quantitative sandwich ELISA
Target Species:	Human
Assay Target:	CTSS
Size:	48T; 96T

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Human cathepsin S (CTSS) ELISA kit (3.12-100 ng/mL) is an ELISA-based *in vitr o* research tool designed specifically for the quantitative detection of CTSS in human with a range of 3.12-100 ng/mL and a specificity of 1.0 ng/mL.
Assay Principle	The kit is based on CTSS antibody-CTSS antigen interaction (immunosorbent) and a n HRP colorimetric detection system to detect CTSS antigen targets in samples.
Background	CTSS is an important member of the cysteine protease family. As a potent mammali an elastase, it can degrade various extracellular components, including fibronec tin, laminin, elastin, and collagen. CTSS is abnormally expressed in various dis ease states, such as obesity and atherosclerosis, which makes it a biomarker and a potential therapeutic target. Studies have found that CTSS inhibitors may be a possible strategy for treating obesity.
Synonyms	CTS-S; EC 3.4.22.27
EC NO.	3.4.22.27
Formula Weight	37,496 Da
Applications	Human cathepsin S (CTSS) ELISA kit (3.12-100 ng/mL) is used to quantify CTSS in undiluted original human body fluids, tissue homogenates, secretions, fece sampl es of human, providing data to support a wide range of studies.
Research Area	Obesity research; Immune response; Signaling pathway; Protein degradation

Specification

Address: 101-4 Colin Dr, Holbrook, NY 11741, USA
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info@obesityscientific.com

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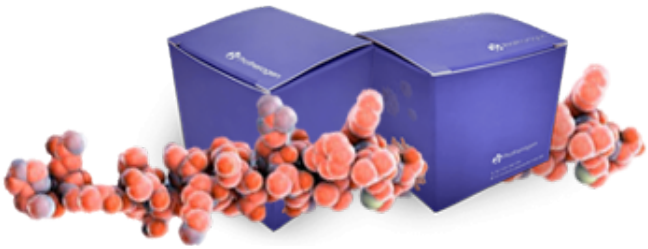

Sample Type	Undiluted original human body fluids; Tissue homogenates; Secretions; Fece sampl es
Detection Range	3.12-100 ng/mL
Sensitivity	1.0 ng/mL
Precision (Intra-assay)	CV<15%
Precision (Inter-assay)	CV<15%
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at 2-8°C.

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